



How to change rear
shock absorbers on **Audi**
A6 C5 Avant –
replacement guide

VIDEO TUTORIAL



Important!

This replacement procedure can be used for:

AUDI A6 Saloon (4B2, C5) 1.8 T, AUDI A6 Saloon (4B2, C5) 2.4, AUDI A6 Saloon (4B2, C5) 1.9 TDI, AUDI A6 Saloon (4B2, C5) 2.5 TDI, AUDI A6 Saloon (4B2, C5) 2.8, AUDI A6 Saloon (4B2, C5) 1.8, AUDI A6 Avant (4B5, C5) 1.9 TDI, AUDI A6 Avant (4B5, C5) 1.8, AUDI A6 Avant (4B5, C5) 1.8 T, AUDI A6 Avant (4B5, C5) 2.8, AUDI A6 Avant (4B5, C5) 2.5 TDI, AUDI A6 Avant (4B5, C5) 2.7 T, AUDI A6 Saloon (4B2, C5) 2.7 T, AUDI A6 Avant (4B5, C5) 2.4, AUDI A6 Saloon (4B2, C5) 2.0, (+ 3)

The steps may slightly vary depending on the car design.

REPLACEMENT: SHOCK ABSORBERS – AUDI A6 C5
AVANT. TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Torque wrench
- Combination spanner #16
- Combination spanner #17
- Drive socket # 13
- Drive socket # 16
- Drive socket # 17
- Torx bit T25
- Shock absorber socket #DD6
- Wheel impact socket #17
- Ratchet wrench
- Vice
- Hydraulic transmission jack
- Wheel chock

BUY TOOLS

Replacement: shock absorbers – Audi A6 C5 Avant. AUTODOC recommends:

- Both shock absorbers of the rear suspension should be replaced simultaneously.
- The replacement procedure is identical for the left and right shock absorbers of the rear suspension.
- Please note: all work on the car – Audi A6 C5 Avant – should be done with the engine switched off.

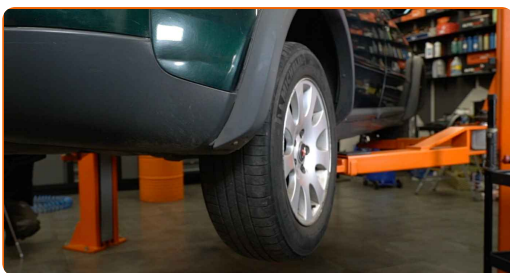
CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Secure the wheels with chocks.

2 Loosen the wheel mounting bolts. Use wheel impact socket #17.



3 Raise the rear of the car and secure on supports.



4

Unscrew the wheel bolts.

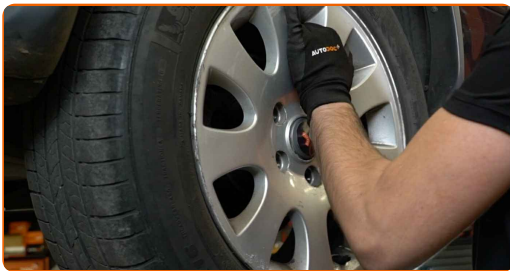


AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.
Audi A6 C5 Avant

5

Remove the wheel.



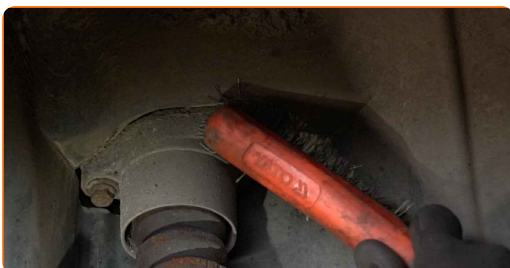
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Unscrew and remove the wheel arch cover fasteners. Use Torx T25.

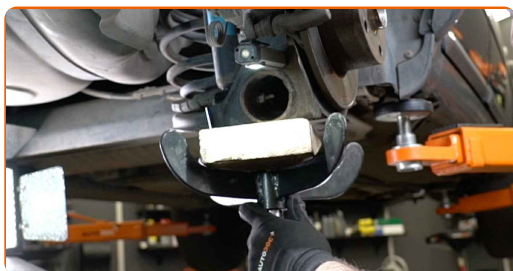


7

Clean the shock absorber fasteners. Use a wire brush. Use WD-40 spray.



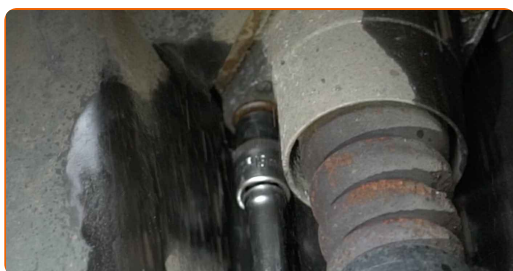
8 Support the rear suspension beam. Use a hydraulic transmission jack.



9 Unscrew the lower fastener of the shock absorber. Use a combination spanner #16. Use a drive socket #16. Use a ratchet wrench.



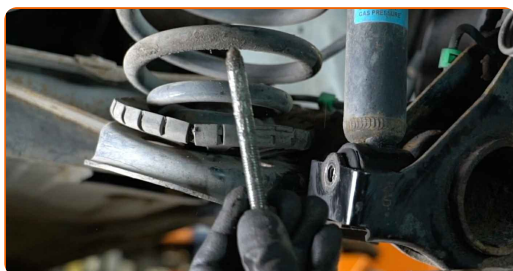
10 Unscrew the upper fastener of the shock absorber. Use a drive socket #13. Use a ratchet wrench.



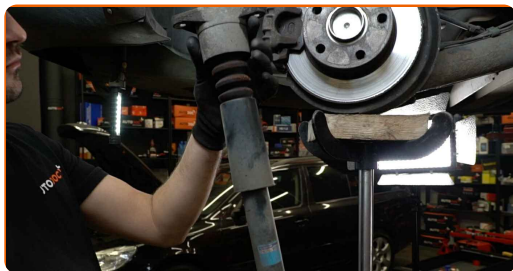
AUTODOC recommends:

- Important! Hold the shock absorber while unscrewing the fastening bolts. Audi A6 C5 Avant

11 Remove the fastening bolt.



12 Remove the shock absorber.



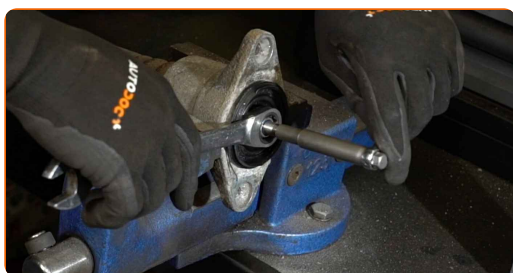
13 Grip the shock absorber in a vice.



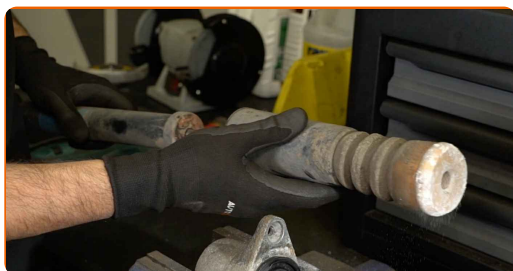
14 Clean the shock absorber rod fastener. Use a wire brush. Use WD-40 spray.



15 Remove the shock absorber piston rod fastening. Use a shock absorber socket DDN#6. Use a drive socket #17. Use a ratchet wrench.



16 Remove the shock absorber mount, boot and bump stop.



AUTODOC recommends:

- Replacement: shock absorbers – Audi A6 C5 Avant. Carefully inspect the mount, the boot, and the bump stop of the shock absorber. Replace if necessary.
- Before installing a new shock absorber you should pump it manually 3-5 times.

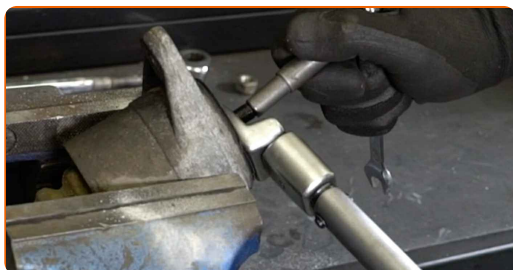
17

Install the mount, boot and bump stop onto a new shock absorber.



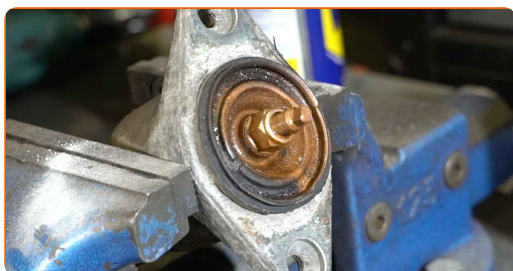
18

Tighten the shock absorber rod nut. Use a shock absorber socket DDN⁰⁶. Use a combination spanner #17. Use a torque wrench. Tighten it to 25 nm torque.



19

Treat the shock absorber rod fastener. Use copper grease.



20

Release the vice and take out the shock absorber.



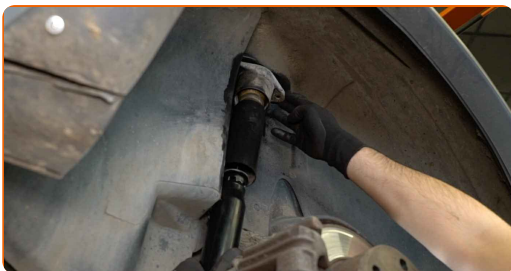
21

Clean the shock absorber mounting seats. Use a wire brush. Use WD-40 spray.



22

Place the shock absorber in the wheel arch and secure it.

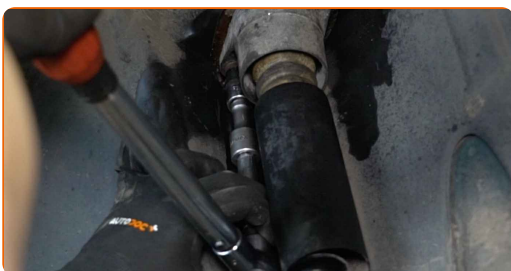


AUTODOC recommends:

- Audi A6 C5 Avant – To avoid injury, hold the shock absorber while screwing in the fastening bolts.

23

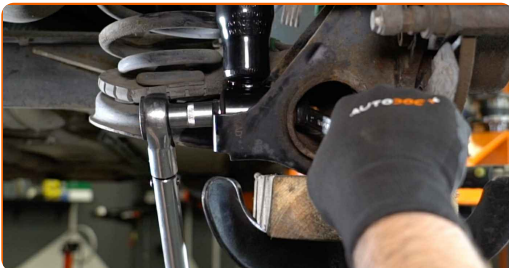
Tighten the top shock absorber fastening. Use a drive socket #13. Use a torque wrench. Tighten it to 42 Nm torque.



24 Install the fastening bolt.



25 Tighten the lower fastener of the shock absorber. Use a combination spanner #16. Use a drive socket #16. Use a torque wrench. Tighten it to 50 Nm torque.+90°



AUTODOC recommends:

- Important! Be sure to use new fasteners.

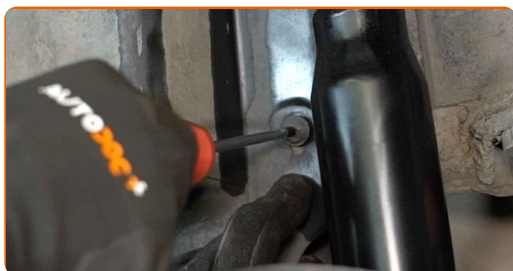
26 Remove the support from under the rear axle beam.



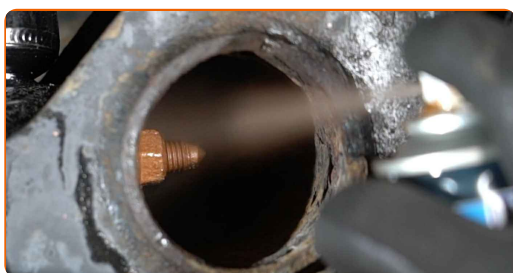
AUTODOC recommends:

- Replacement: shock absorbers – Audi A6 C5 Avant. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

27 Install and tighten the wheel arch cover fasteners. Use Torx T25.



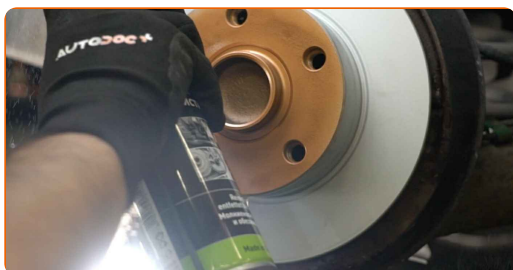
28 Treat the shock absorber fasteners. Use copper grease.



29 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



30 Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: shock absorbers – Audi A6 C5 Avant. After applying the spray, wait a few minutes.

31 Install the wheel.



AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. Audi A6 C5 Avant

32 Screw in the wheel bolts. Use wheel impact socket #17.



33 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 Nm torque.



34

Remove the jacks and chocks.



WELL DONE! 

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